AP5325-HS

Impact Copolymer for Injection Molding

Features: Nucleated. Produced without animal derived components

Applications: Automotive parts, pails, sharps containers, and consumer products

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	20 g/10min		D1238
Density	0.90 g/cm3		D1505
Melting Temperature	160 -165 °C	320 – 329 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	23.4 MPa	3600 psi	D 638
Tensile Yield Elongation	5 %	5 %	D 638
Flexural Modulus - Tangent	1517 MPa	220 kpsi	D 790
Flexural Modulus - Secant	1447 MPa	210 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	97 °C	207 °F	D 648
Rockwell Hardness		99 R	D 785
Notched Izod @ 23°C	133 J/m	2.5 ft-lb/in	D 256
Gardner Impact @ -30°C	27 J	240 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

UL Certified 94HB

Automotive Approvals

Ford WSS-M4D-638B

Chrysler DB500-CPN-3560, CPN-3562

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The data and information represented herein refer to typical values obtained in our laboratories by the methods or apparatuses indicated and should be so considered. Since processing variables are a major factor in product performance, this information should serve only as a guide. Since customers' testing conditions are outside our control, the reproducibility of our data in a customer's testing facility is not guaranteed. Customer should confirm results under its testing conditions. There is no implied warranty of merchantability or fitness for a particular purpose. Establishing satisfactory performance of the product for the intended application is the customer's sole responsibility. No warranty is given concerning the existence or non-existence of any patents claiming any pertinent subject matter presented herein. The Company assumes no obligation, express or implied, or liability for use of or reliance on the information and data presented. INV Polypropylene, LLC disclaims all product warranties expressed or implied, including warranties of fitness for particular purpose or of merchantability. Further, this product is not intended for use in the manufacture of any form of implanted medical or surgical device. © 2025 INV Polypropylene, LLC. All rights reserved.